

National Type Evaluation Program
Certificate of Conformance
for Weighing and Measuring Devices

For:

Bench Scale or Weight Classifier
Digital Electronic
Model: PS60
 n_{\max} : 3000
Capacities: 150 lb x 0.05 lb (60 kg x 0.02 kg) or
0-60 lb x 0.02 lb and 60-150 lb x 0.05 lb (multi-interval)
Platform: 11.8" x 13.8"

Submitted by:

Mettler-Toledo, Inc.
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Standard Features and Options

Manufacturer configured normal rounding bench scale or weight classifier (round up to next scale divisions)
Automatic multi-interval scale
Semi-automatic zero (push-button) and tare setting mechanism
Automatic zero setting mechanism
Initial zero setting mechanism
Remote printer capability
Battery power supply with battery saving feature (automatic shut off)
AC/DC adapter
Gross/net display
External lb/kg conversion
RS-232 communication port
Stainless steel platform

Options: Remote display tower
12 Vdc remote power supply or an optional battery
Ball transfer platter

The load cells used may be either:
Mettler-Toledo part number 14535300A, 100 kg capacity; or
Mettler-Toledo part number 15213900A, 100 kg capacity; or
Mettler-Toledo part number 15214000A, 100 kg capacity

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: February 27, 1998

Gilbert M. Ugiansky, Ph.D.
Chief, Office of Weights and Measures
Issue Date: June 2, 1998

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Mettler-Toledo, Inc.
Bench Scale or Weight Classifier
Model: PS60

Application: Manufacturer configured weight classifier for postal/shipping applications or general purpose bench scale.

If the scale is to be used as a weight classifier, it will be set-up by the manufacturer with rounding up features and will be marked as a weight classifier. Normal rounding bench scale applications will not have any special application markings.

Identification: The required information is on an adhesive badge under the platter attached to the base of the scale.

Sealing: The scale can be sealed with a wire security seal threaded through a screw in an access platter that covers the set-up and calibration features.

Test Conditions: This Certificate supersedes Certificate of Conformance Number 95-165A1 and is issued to include the option of using any of the three load cells: the Mettler-Toledo part number 14535300A (100 kg capacity), the Mettler-Toledo part number 15213900A (100 kg capacity), or the Mettler-Toledo part number 15214000A (100 kg capacity). Since these load cells have been evaluated in several other models with the same capacity and division size, and the mounting and the electronics in the model PS60 are the same as in other models previously evaluated, no testing was necessary. The previous test conditions are listed below for reference.

Certificate of Conformance Number 95-165A1: This Certificate was issued to include the multi-interval feature. The emphasis of the evaluation was on the device design, operation, and compliance with influence factor requirements. The scale was evaluated as a bench scale and a weight classifier. Several increasing/decreasing load and shift tests were performed with a 100 VAC or 130 VAC applied to the scale. Tests were also performed with a 9 Vdc and 15 Vdc power supply. The scale was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half scale capacity was applied to the scale 100 800 times. The scale was tested periodically during this time.

Certificate of Conformance Number 95-165: The emphasis of the evaluation was on the device design, operation, and compliance with influence factor requirements. Several increasing/decreasing load and shift tests were performed with a power supply of 100 VAC or 130 VAC applied to the scale. Tests were also performed with a direct current power supply. The scale was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half scale capacity was applied to the scale over 100 800 times. The scale was tested periodically during this time.

The results of the evaluations indicate the device complies with the applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 1998 Edition

Tested By: A. McCoy (OH)